

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>			1. CONTRACT ID CODE	PAGE OF PAGES 1 6
2. AMENDMENT/MODIFICATION NO. <b>0001</b>	3. EFFECTIVE DATE <b>See Block 16C</b>	4. REQUISITION/PURCHASE REQ. NO. <b>4200518671</b>	5. PROJECT NO. (If applicable) <b>PCN 98984</b>	
6. ISSUED BY <b>John F. Kennedy Space Center, NASA Procurement Office, OP-ES-A Kennedy Space Center, FL 32899</b>	CODE <b>OP-ES</b>	7. ADMINISTERED BY (If other than Item 6) <b>Same as block 6</b>		

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)	9A. AMENDMENT OF SOLICITATION. <b>NNK14518671R</b>
	10A. MODIFICATION OF CONTRACT/ORDER NO.
	10B. DATED (SEE ITEM 13)
CODE	FACILITY CODE

### 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[ X ] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [ ] is extended, [ X ] is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:  
(a) By completing Items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

### 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

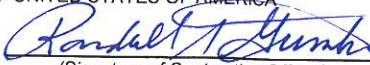
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor [ ] [ ] is required to sign this document and return     copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of Amendment 0001 is to:

- A. Provide Government answers to potential bidder's questions, see attached.
- B. Incorporate changes to the solicitation as a result of responses to bidder questions, see attached.
- C. All other terms and conditions remain unchanged.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) <b>Randall A. Gumke</b>	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED
(Signature of person authorized to sign)			

**A. ANSWERS TO BIDDERS QUESTIONS:**

**1. REFERENCE:** Section M.1.b.(2) Factor 2 - Technical Experience

**QUESTION:** The solicitation requires offerors to provide evidence of technical experience including:

- All projects started or completed within (7) years of July 22, 2014
- All projects involve large bore carbon steel pipe (24" diameter or larger)
- Two of three projects at or over \$1M
- Two of three projects involve pneumatic systems using stainless steel piping
- Combined experience involving welding, inspection and liquid penetrant and radiographic testing, cleaning of pneumatic system components, and hydrostatic/pneumatic and leak testing of pneumatic system components

The combination of these requirements in (3) projects is an issue. It is unusual to find a single contract that includes, large bore carbon steel pipe, stainless steel pneumatic piping systems, and components that require cleaning and that these contracts that also meet the time and dollar value requirements.

**WE ASSUME THE REFERENCE TO THREE PROJECTS IN THE TECHNICAL EXPERIENCE SECTION OF THE SOLICITATION REPRESENTS A MINIMUM NUMBER OF PROJECTS; AND THAT MORE THAN THREE PROJECTS CAN BE SUBMITTED AND THE COMBINED EXPERIENCE OF ALL SUBMITTED PROJECTS WILL MEET THE SOLICITATION EXPERIENCE REQUIREMENTS. PLEASE CONCUR OR ADVISE.**

**RESPONSE:** Yes. Three (3) is the minimum.

**2. REFERENCE:** Drawing 79K39833, Sheet MD-10, Mechanical Piping Plan

**QUESTION:** Does any of the piping to be demolished have hazardous coating on the interior or exterior?

**RESPONSE:** No.

**3. REFERENCE:** Drawing 79K39833, Sheet M-205, Installation Parts List per Actuator, item #2, flag note 14

**QUESTION:** For the valve, Ball ¾", ¾-S-8380-03-LL, the vendor indicates that this is not a WATTS part number.

**RESPONSE:** This is an obsolete number. Use Jamesbury series 5H part number ¾ 5H-36HBRT which is a two-piece ball valve with 316 body and ball and 17-4PH stem rated for 4500 psi.

4. **REFERENCE:** Drawing 79K39833, Sheet M-205, Installation Parts List per Actuator, item #3, flag note 23

**QUESTION:** For the accumulator, 1 QT, BA002B3T01\*\*\*, the vendor indicates that this is an incomplete part number. Can NASA provide the complete part number/

**RESPONSE:** BA002B3T01D1.

5. **REFERENCE:** Drawing 79K39833 and Specification 79K39834 sections 40 05 13, 40 34 10

**QUESTION:** Will NASA be providing the GN2 for leak and functional testing?

**RESPONSE:** Yes. The GN2 system will be operational to support leak tests and functional testing.

6. **REFERENCE:** Specification 79K39834 section 40 05 13, paragraph 3.4.2

**QUESTION:** Will NASA be filling the elevated tank riser to facilitate leak check testing of the valves?

**RESPONSE:** Yes, coordinate with the COR for filling of the elevated tank at least 30 days prior to the test.

7. **REFERENCE:** Drawing 79K39833 Sheet M-307

**QUESTION:** Please provide reference drawings identified on Control Distributor Wiring Harness Table: 79K09703, 79K04722, & 79K16059

**RESPONSE:** Drawings will be available for a secure download from FebBizOps.

8. **REFERENCE:** Solicitation NNK1451871R

**QUESTION:** Is there any Government Furnished Equipment for this project?

**RESPONSE:** Yes. See also *B. INCORPORATE CLAUSES INTO SOLICITATION* within this amendment.

**B. INCORPORATE CLAUSES INTO SOLICITATION**

- Add the following to Section D – Packaging and Marking:  
**“D.1 NASA FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 18) CLAUSES INCORPORATED BY REFERENCE**

**NFS 1852.245-74 IDENTIFICATION AND MARKING OF  
GOVERNMENT EQUIPMENT (JAN 2011)**

Fill-in: (e) Transportation Officer, NASA  
c/o ISC Warehouse, Bldg M6-744  
Kennedy Space Center, FL 32899”

- In Section G.1 revise Clause NFS 1852.245-71 Fill-In (c)(3):

From: Fill-In (c)(3): **“Not applicable”**

To: Fill-In (c)(3): **“See Article J-B-38,  
Government Property to Be Installed by the  
Contractor”**

- Add the following clauses to Section G.1:

**NFS 1852.245-73 FINANCIAL REPORTING OF NASA  
PROPERTY IN THE CUSTODY OF  
CONTRACTORS (JAN 2011)**

Fill-In (3): **“OP-OS-IP  
Industrial Property Officer  
Kennedy Space Center, Fl 32899”**

**NFS 1852.245-76 LIST OF GOVERNMENT PROPERTY  
FURNISHED PURSUANT TO FAR 52.245-1 (JAN  
2011)**

Fill-In (1): **“Attachment J-B, Article J-B-38,  
Government Property To Be Installed by the  
Contractor”**

Fill-In (2): **“LC-39B”**

**NFS 1852.245-78 PHYSICAL INVENTORY OF CAPITAL  
PERSONAL PROPERTY (JAN 2011)**

- Add the following clauses to Section I.2:

**FAR 52.245-1 GOVERNMENT PROPERTY (APR 2012)**

**FAR 52.245-9 USE AND CHARGES (APR 2012)**

- Add the following clauses to Section L.4:

**NFS 1852.245-80 GOVERNMENT PROPERTY MANAGEMENT INFORMATION (JAN 2011)**

**NFS 1852.245-81 LIST OF AVAILABLE GOVERNMENT PROPERTY (JAN 2011)**

Fill-in: Paragraph (a): **“See Attachment J-B, Article J-B-38, Government Property to be Installed by the Contractor”**

- Add the following to Section J-B

**J-B-38 GOVERNMENT PROPERTY TO BE INSTALLED BY THE CONTRACTOR (MAR 2014)**

In Association with the work to be performed under this contract, the Government will provide the property identified below to be installed by the Contractor. The property will be provided by the Government within 168 days after issuance of the Notice to Proceed (NTP).

Description	Quantity	Est. Value	Condition
75M03978-1 VALVE, SOLENOID, PILOT OPER, 3 WAY 2 POS	2	\$86,700.00	New
AA1509-0704J CAP RETAINER ASSEMBLY	4	\$60.00	New
AA67082-12K UNION, DBLE SWIVEL UNIT, 3/4	1	\$55.00	New
AL6XN, KSC-SPEC-P-0027 TUBE, AL6XN - 1/4" x .035 WALL	60	\$1,800.00	New
AL6XN, KSC-SPEC-P-0027 TUBE, AL6XN - 3/8" x .035 WALL	20	\$700.00	New
AL6XN, KSC-SPEC-P-0027 TUBE, AL6XN - 3/4" x .065 WALL	440	\$19,800.00	New
AS1097-04 SEAL RING, 1/4"	36	\$39.60	New
AS1097-06 SEAL RING, 3/8"	9	\$10.80	New
AS1097-12 SEAL RING, 3/4"	142	\$284.00	New
AS1100K04 UNION, BULKHEAD, 1/4"	5	\$92.25	New
AS1100K06 UNION, BULKHEAD 3/8"	2	\$41.20	New
AS1100K12 UNION, BULKHEAD, 3/4"	4	\$205.40	New
AS1250K12 ELBOW, 90 DEG, 3/4"	2	\$102.60	New
AS1252K04 TEE, 1/4"	5	\$155.75	New
AS1252K06 TEE, 3/8"	2	\$80.00	New
AS1252K12 TEE, 3/4"	8	\$690.80	New
AS4301K1204 ADAPTER, REDUCER 3/4"X1/4"	11	\$220.00	New

AS4302K04 TEE, SWIVEL, 1/4"	3	\$207.00	New
AS4302K12 TEE, SWIVEL, 3/4"	25	\$2,550.00	New
AS4304K12 TEE, FEMALE SWIVEL, 3/4"	2	\$204.00	New
AS4305K04 TEE, MALE ADJUSTABLE, 1/4"	2	\$86.00	New
AS4305K12 TEE, MALE ADJUSTABLE, 3/4"	2	\$370.00	New
AS4306K12 TEE, MS THREAD ON OUTLET	4	\$500.00	New
AS4307K04 ADAPTER, 1/4"	4	\$60.00	New
AS4307K12 ADAPTER, 3/4"	9	\$295.20	New
AS4309K1212 NIPPLE, TUBE TO PIPE	18	\$654.30	New
AS4309K1216 NIPPLE, TUBE TO PIPE	2	\$267.00	New
AS4315K12 ELBOW, 90 DEG SWIVEL, 3/4"	4	\$288.00	New
AS4317K0604 REDUCER, ADAPTER, 3/8"X1/4"	3	\$171.00	New
AS4318K04 ADAPTER, BULKHEAD & BOSS, 1/4"	1	\$16.00	New
AS4318K12 ADAPTER, BULKHEAD & BOSS, 3/4"	3	\$534.00	New
AS4319K1216 EXPANDER, ADAPTER	6	\$408.00	New
AS4326K04 NUT COUPLING, 1/4"	3	\$7.20	New
AS4326K06 NUT COUPLING, 3/8"	3	\$8.25	New
AS4326K12 NUT COUPLING, 3/4"	46	\$506.00	New
AS4327K04 SLEEVE, 1/4"	4	\$4.40	New
AS4327K06 SLEEVE, 3/8"	3	\$4.20	New
AS4327K12 SLEEVE, 3/4"	42	\$199.50	New
AS4329K04 CAP ASSEMBLY, 1/4"	5	\$62.50	New
AS4329K06 CAP ASSEMBLY, 3/8"	2	\$28.60	New
AS4329K12 CAP ASSEMBLY, 3/4"	16	\$364.80	New
AS4347K12 UNION, DOUBLE SWIVEL, 3/4"	8	\$440.00	New
KC175K12 FITTING ORIFICE UNION, 3/4"	9	\$1,305.00	New
KC175K4-.009 FITTING, ORIFICE, UNION, 1/4" X .009 DIA	1	\$362.70	New